

The Stinson 108 Voyager/Station Wagon Differences
and Inside Cabin dimensions - Nov. 25, 1996
By Larry Westin - Rev D - 11/18/14 - Page 1 of 3

This article outlines the differences between the Stinson model 108 Voyager and the Stinson Flying Station Wagon. Also it give approximate dimensions of the cabin. My Thanks to Gary Cobb, <gcobb@flop2.dseg.ti.com>, of Dallas, Texas for suggesting the differences between the Voyager and Station Wagon information, Ray Weygandt <ruletwey@midusa.net>, of Kansas, for suggesting I add the cabin dimension information, and John Baker <John@hangar9aeroworks.com> for providing the baggage compartment dimensions.

A note about the measurements for the inside dimensions. I used my wife's cloth tape measure and did my best to obtain reasonably accurate measurements. Some dimensions were not included, particularly the leg room for the rear seats. Main reason was the leg room will differ by how the front seats are adjusted. Being a big person, 6 feet 2 inches and over 200 pounds, I fly with the front seats all the way to the rear.

Differences between Voyager and Station Wagon

Externally there is only one difference between the Stinson model 108 Voyager and the Stinson model 108 Station Wagon, and that is the paint scheme on the cowling. Voyager's are painted with the words "Stinson Voyager" on the cowling in block letters. Station Wagon's have the words "Stinson Flying Station Wagon" painted on the cowling in cursive letters.

Rear Side Panel Differences

Inside the airplane two points define the difference between a Voyager and a Station Wagon, rear side panels and rear flooring. Voyagers use carpeting attached to cardboard formers as the wall covering for the rear seats. Station wagons have plywood side panels for the rear seats. Models 108-1 and 108-2 Station Wagon's have straight side wood panels, while the model 108-3 Station Wagon has compound curved side panels which allow for about an additional inch of elbow room for each rear passenger. Station Wagon rear side paneling is mahogany plywood accented with maple strips, really very nice looking.

Rear Flooring Differences

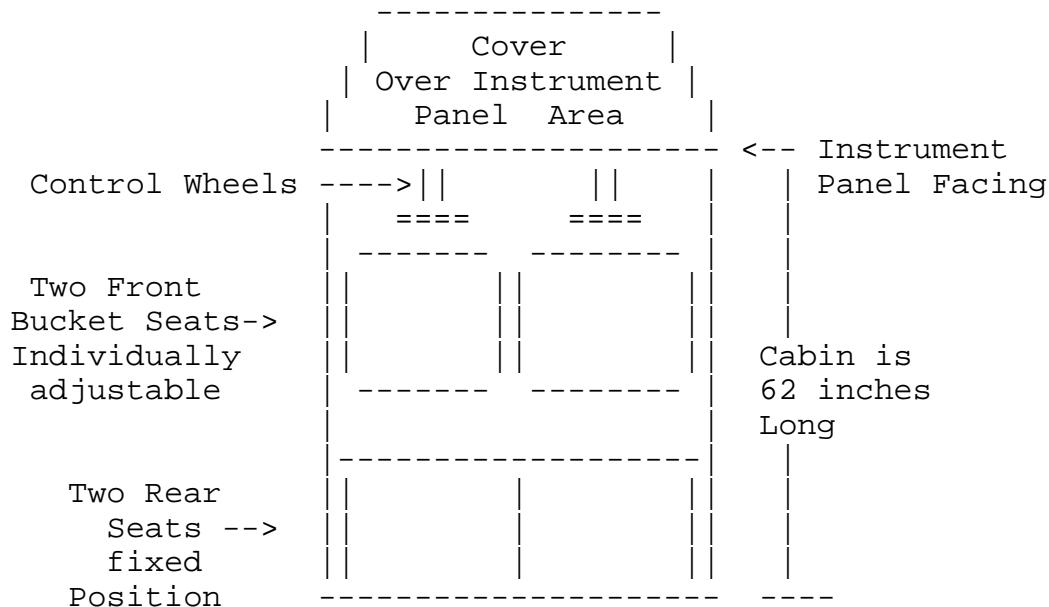
The other inside difference is with the rear flooring. Voyager's have rear floors of 1/4 inch thick plywood. Station Wagon's have rear floors which additional support in the form of two aluminum "Hat" sections at 45 degree angle. Floor boards in my Station Wagon (N6968M) were a 1/2 inch thick wood panel. The rear floor boards have a center of 3/8 inch thick poplar covered with 1/16 inch ply above and below the poplar. Sherman Oxford reports his Station Wagon has the "Hat" sections but retains the 1/4

inch plywood. The additional support allows for 600 pounds of cargo to be carried with the rear seats removed. Station Wagon's require a placard defining the cargo limits.

Stinson model 108 Inside Cabin Dimensions

Dimensions identical for both Voyager and Flying Station Wagon

These measurements were taken from my airplane, Stinson model 108-3, NC6968M, a "Flying Station Wagon" model. I have never seen these figures printed. I must also point out that although my airplane is a 108-3 the rear side panels are from a model 108-2 and do NOT have the indent for the rear passengers.



Cabin width at instrument panel	40 inches
Cabin width just behind front seats	36 inches
Front seat width at front of seat	18 inches
Front seat width at back of front seat	17 inches
Height from floor to ceiling at front of front seat	47 inches
Height from top of front seat cushion to ceiling	35 inches
Cabin length	62 inches

Front seats have a slight gap between the seats so they can be adjusted. Rear seats are two individual seats which touch each other, which is not a problem since they are NOT adjustable. The front seats each attach to lower rails which ride on the center section carry through. The rear seats use a sling which allows easy removal.

Baggage Compartment Dimensions

Baggage compartment dimensions apply to Stinson 108's, both the Voyager and the Flying Station Wagon model manufactured from serial number 108-1470 and higher. Stinson 108's manufactured at serial number 108-1469 and earlier did NOT have the external baggage compartment door from the factory.

Baggage compartment opening is about 17" wide at the bottom and 18" wide at the top of the door.

Baggage compartment opening is about 20" high.

The compartment is kind of an odd shape - sort of a trapezoid that conforms to the tubular structure of the fuselage. The floor is about 30" across, though wider at the front than at the rear. From front to back, the floor is about 24 " deep.

Dimensions I still need to obtain - passenger door width and height.

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